



User Manual

Table of Contents

1. Introduction..... 1

2. Package Contents..... 2

3. Function 3

4. Installation 2

5. Web Interface 4

1. Introduction

The ServerLink PDU is a network ready device designed and equipped with an Intelligent True RMS Current Meter to indicate the total power consumption of connected devices.

The ServerLink PDU offers an easy to set up and user-friendly interface. The software enables you to remotely monitor power consumption of a single PDU or multiple PDUs.

Features:

- Built-in web server allowing real time monitoring of current consumption
- Built-in True RMS current meter
- Easy Setup. The meter can display the IP address of the PDU
- Homepage supports SSL
- Provides audible alarm when the power consumption exceeds the warning threshold or overload threshold
- Send email and traps when the power consumption exceeds the warning threshold or overload threshold
- Utility software can monitor a large amount of ServerLink PDUs at the same time
- Supports SNMP and provides MIB for the PDU to be monitored by NMS
- LED to indicate status of each outlet
- Supports power on sequence
- Supports user-defined delayed time for power on and power off
- Provides power protection via the circuit breaker

2. Package Contents

The standard ServerLink PDU package contains a Power Distribution Unit with supporting hardware and software.

- Power Distribution Unit
- Rack Mount Brackets
- CD-ROM containing:
 - ServerLink PDU User Manual
 - ServerLink PDU Utility User Manual
 - ServerLink PDU Utility Software
 - MIB: Management Information Base for Network (ServerLink.mib)
 - Adobe Acrobat Reader

3. Function



Functions	Description
Ethernet	<ul style="list-style-type: none"> • The Network connection for the built-in web server
Audible Alarm	<ul style="list-style-type: none"> • PDU exceeds warning threshold - 1 beep per second • PDU exceeds overload threshold - 3 beeps per second <p>Note: The audible alarm will not change beeping status until the current drops more than 0.5A below the warning or overload threshold</p>
Function Button	<ul style="list-style-type: none"> • Press and release to turn off the warning beep. The overload beeping cannot be cancelled • Press and hold, after 2 beeps release the button. The meter will display the IP address of the PDU • Press and hold, after 4 beeps release the button and the PDU will change the way to assign the IP address...via DHCP or Fixed IP • Press and hold, after 6 beeps release the button. The PDU will reset the power to all outlets and restore all settings to factory default
Meter	<ul style="list-style-type: none"> • Displays the current consumption or IP Address

LED Indicator

- SSL (Yellow): Light on means web access is protected by SSL
- DHCP (Green): Light on means PDU is assigned an IP address via DHCP
- Outlet A-H (Green): Light on indicates outlet power is on. Light off indicates outlet power is off

Circuit Breaker

- Overload power protection
-

4. Installation

Rack Mount Instructions

A) Elevated Operating Ambient - If installed in a closed or multi-unit rack assembly, the operating ambient temperature of the rack environment may be greater than room ambient. Therefore, consideration should be given to installing the equipment in an environment compatible with the maximum ambient temperature specified by the manufacturer.

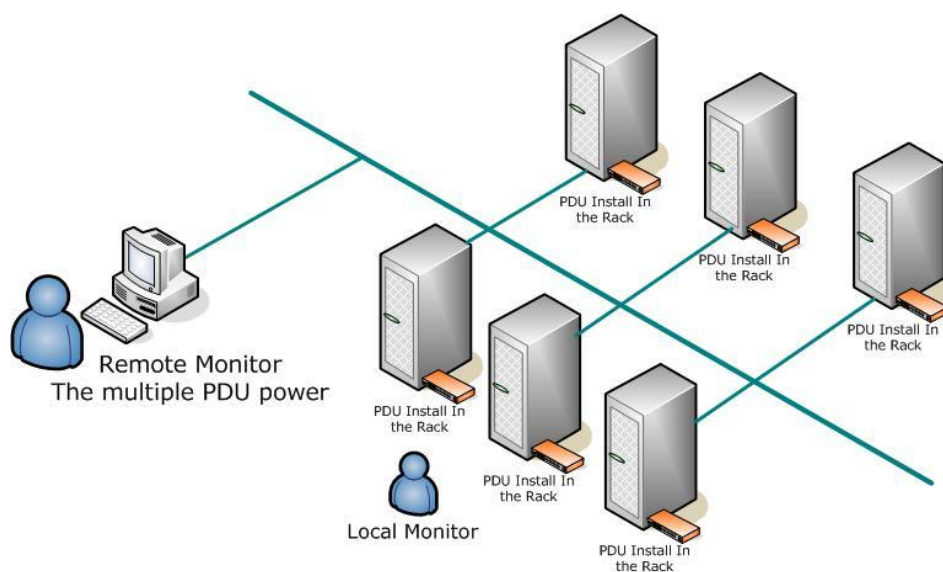
B) Reduced Air Flow - Installation of the equipment in a rack should be such that the amount of air flow required for safe operation of the equipment is not compromised.

C) Mechanical Loading - Mounting of the equipment in the rack should be such that a hazardous condition is not achieved due to uneven mechanical loading.

D) Circuit Overloading - Consideration should be given to the connection of the equipment to the supply circuit and the effect that overloading of the circuits might have on over current protection and supply wiring. Appropriate consideration of equipment nameplate ratings should be used when addressing this concern.

E) Reliable Earthing - Reliable earthing of rack-mounted equipment should be maintained. Particular attention should be given to supply connections other than direct connections to the branch circuit (e.g. use of power strips).

Diagram



Hardware

1. Install mounting brackets
2. The ServerLink PDU comes with brackets for mounting in a rack. To mount the PDU into a rack, perform the following procedure
3. Attach the mounting brackets to the unit, using the four retaining screws provided for each of the brackets
4. Choose a location for the brackets.
5. Align the mounting holes of brackets with the notched hole on the vertical rail and attach with the retaining screws
6. Connect input and output power
7. Connect Ethernet cable to the PDU
8. Switch on the PDU

Note 1:

The default setting to assign the IP address is DHCP. If the PDU cannot get the IP from a DHCP server, the IP address will default to 192.168.0.216

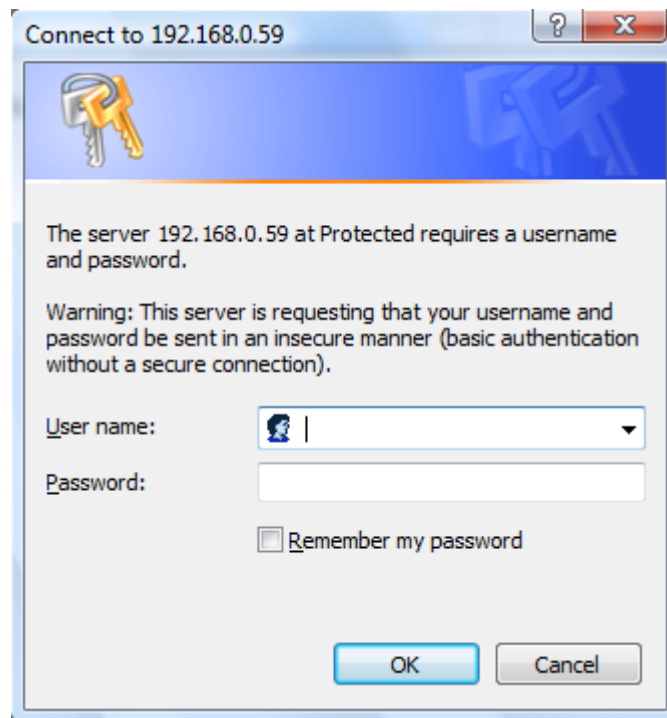
5. Web Interface

Login:

Enter the ServerLink PDU IP address into a web browser


Default User Name is **snmp**

Default Password is **1234**



Information: PDU

Displays total PDU outlet power consumption and Warning and Overload thresholds

		
Total load: 0.0 A , Status: Normal		
Information	PDU	
PDU	PDU	0.0 A Normal
System		
Control	Threshold	
Outlet	Warning	12.0 A
Configuration	Overload	16.0 A
PDU		
Threshold		
User		
Network		
Mail		
SNMP		
SSL		

Information: System

Displays PDU system information, including:

Model No.


Firmware Version

MAC Address

System Name

System Contact

Location



Total load: 0.0 A , Status: Normal

Information	Model No.	SLP-SB1008-H
PDU	Firmware Version	s4.82-091012-1cb08s
System	MAC Address	00:16:18:77:0A:84
Control	System Name	<input type="text" value="PDU"/>
Outlet	System Contact	<input type="text" value="Admin"/>
Configuration	Location	<input type="text" value="Office"/>
PDU		<input type="button" value="Apply"/>
Threshold		
User		
Network		
Mail		
SNMP		
SSL		

Control: Outlet

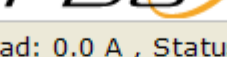
Displays PDU outlet on/off status

Select the outlet by checking the box and then click ON, OFF or OFF/ON button to control the output power for PDU

ON: Press this button to turn on the assigned outlets

OFF: Press this button to turn off the assigned outlets

OFF/ON: Press this button to reboot the assigned outlets



Total load: 0.0 A , Status: Normal

Information	PDU	Status	
PDU	OutletA	ON	<input type="checkbox"/>
System	OutletB	ON	<input type="checkbox"/>
Control	OutletC	ON	<input type="checkbox"/>
	OutletD	ON	<input type="checkbox"/>
Outlet	OutletE	ON	<input type="checkbox"/>
Configuration	OutletF	ON	<input type="checkbox"/>
	OutletG	ON	<input type="checkbox"/>
	OutletH	ON	<input type="checkbox"/>
	<input type="button" value="ON"/> <input type="button" value="OFF"/> <input type="button" value="OFF/ON"/>		
	Threshold		
User			
Network			
Mail			
SNMP			
SSL			

Configuration: PDU


Set the outlet name and delay time

Name: Rename the outlet

ON: Set the delay time for power on sequence

OFF: Set the delay time for power off sequence

Note: The maximum delay time is 255 seconds



Total load: 0.0 A , Status: Normal

Information

[PDU](#)

[System](#)

Control

[Outlet](#)

Configuration

PDU

[Threshold](#)

[User](#)

[Network](#)

[Mail](#)

[SNMP](#)

[SSL](#)

Name	ON Delay (sec)	OFF Delay (sec)
<input type="text" value="OutletA"/>	<input type="text" value="1"/>	<input type="text" value="1"/>
<input type="text" value="OutletB"/>	<input type="text" value="2"/>	<input type="text" value="2"/>
<input type="text" value="OutletC"/>	<input type="text" value="3"/>	<input type="text" value="3"/>
<input type="text" value="OutletD"/>	<input type="text" value="4"/>	<input type="text" value="4"/>
<input type="text" value="OutletE"/>	<input type="text" value="5"/>	<input type="text" value="5"/>
<input type="text" value="OutletF"/>	<input type="text" value="6"/>	<input type="text" value="6"/>
<input type="text" value="OutletG"/>	<input type="text" value="7"/>	<input type="text" value="7"/>
<input type="text" value="OutletH"/>	<input type="text" value="8"/>	<input type="text" value="8"/>
<input type="button" value="Apply"/>	<input type="button" value="Apply"/>	<input type="button" value="Apply"/>

Configuration: Threshold

Set the Warning and Overload threshold

SERVERLINK
PDU

Total load: 0.0 A , Status: Normal

Information

[PDU](#)

[System](#)

Control

[Outlet](#)

Configuration

[PDU](#)

Threshold

[User](#)

[Network](#)

[Mail](#)

[SNMP](#)

[SSL](#)

Name	Threshold (Amp)	
	Warning	Overload
PDU	<input type="text" value="12"/>	<input type="text" value="16"/>

Apply

Configuration: User

Change ID (Username) and password. ID and password are case sensitive

Default ID is **snmp**

Default password is **1234**

SERVERLINK
PDU

Total load: 0.0 A , Status: Normal

Information

[PDU](#)

[System](#)

Control

[Outlet](#)

Configuration

[PDU](#)

[Threshold](#)

User

[Network](#)

[Mail](#)

[SNMP](#)

[SSL](#)

Original

ID

Password

New

ID

Password

Apply

Configuration: Network

PDU network information

Enable DHCP: Change the way to assign the IP address for the PDU

SERVERLINK
PDU

Total load: 0.0 A , Status: Normal

Information
[PDU](#)
[System](#)
Control
[Outlet](#)
Configuration
[PDU](#)
[Threshold](#)
[User](#)
Network
[Mail](#)
[SNMP](#)
[SSL](#)

IP Address
Host NameDIGIBOARD
IP Address192.168.0.85
Subnet Mask255.255.255.0
Gateway192.168.0.254
☒ Enable DHCP
DNS Server IP
Primary DNS IP192.168.0.254
Secondary DNS IP0.0.0.0

Configuration: Mail

When an event occurs, the PDU can send an email message to a specified email address

Email Server: This setting must be a local or public fully qualified domain name. Eg. mailserver.domain.local or mail.domain.com.au (It cannot be an IP address)

Sender's Email: Input the sender's email address

Email Address: Input the recipient's email address

The message in the email will be as follows:

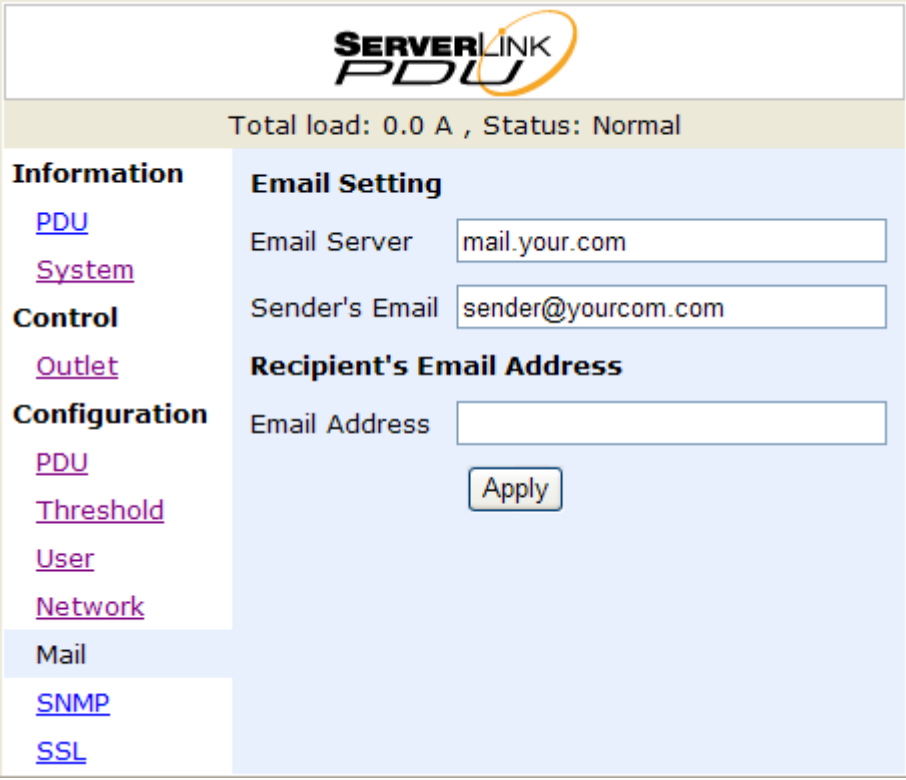
XXXXXXXXX

The above indicates the outlet status of ports A to H in order

X=0 : means the power off

X=1 : means the power on

Note: Make sure DNS server can resolve the Email Server's domain name



The screenshot displays the ServerLink PDU web interface. At the top, the logo 'SERVERLINK PDU' is shown. Below it, a status bar indicates 'Total load: 0.0 A , Status: Normal'. The left sidebar contains a menu with categories: Information (PDU, System), Control (Outlet), Configuration (PDU, Threshold, User, Network, Mail, SNMP, SSL), and Mail is currently selected. The main content area is titled 'Email Setting' and contains three sections: 'Email Server' with a text box containing 'mail.your.com', 'Sender's Email' with a text box containing 'sender@yourcom.com', and 'Recipient's Email Address' with an empty text box. An 'Apply' button is located below the 'Email Address' field.

Configuration: SNMP

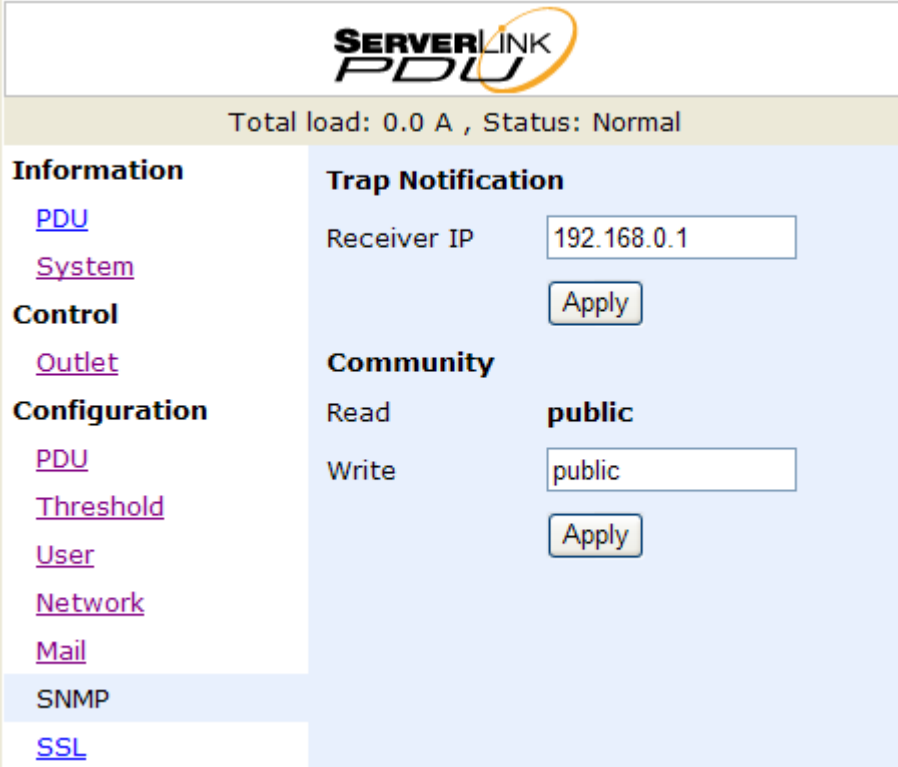
When an event occurs, the PDU can send out a trap message to a specified IP address

Trap Notification: Set receiver IP address for trap

Community: Set SNMP community

Read Community is public and fixed

Default Write Community is "public" and can be modified by user



The screenshot displays the ServerLink PDU web interface. At the top, the logo "SERVERLINK PDU" is shown. Below it, a status bar indicates "Total load: 0.0 A , Status: Normal". The left sidebar contains a menu with categories: Information (links to PDU, System), Control (link to Outlet), Configuration (links to PDU, Threshold, User, Network, Mail, SNMP, SSL), and SNMP (selected). The main content area is titled "Trap Notification" and "Community". Under "Trap Notification", the "Receiver IP" is set to "192.168.0.1" with an "Apply" button. Under "Community", the "Read" community is "public" and the "Write" community is "public", both with "Apply" buttons.

SERVERLINK PDU	
Total load: 0.0 A , Status: Normal	
Information PDU System	Trap Notification Receiver IP: <input type="text" value="192.168.0.1"/> <input type="button" value="Apply"/>
Control Outlet	Community Read: public Write: <input type="text" value="public"/> <input type="button" value="Apply"/>
Configuration PDU Threshold User Network Mail SNMP SSL	

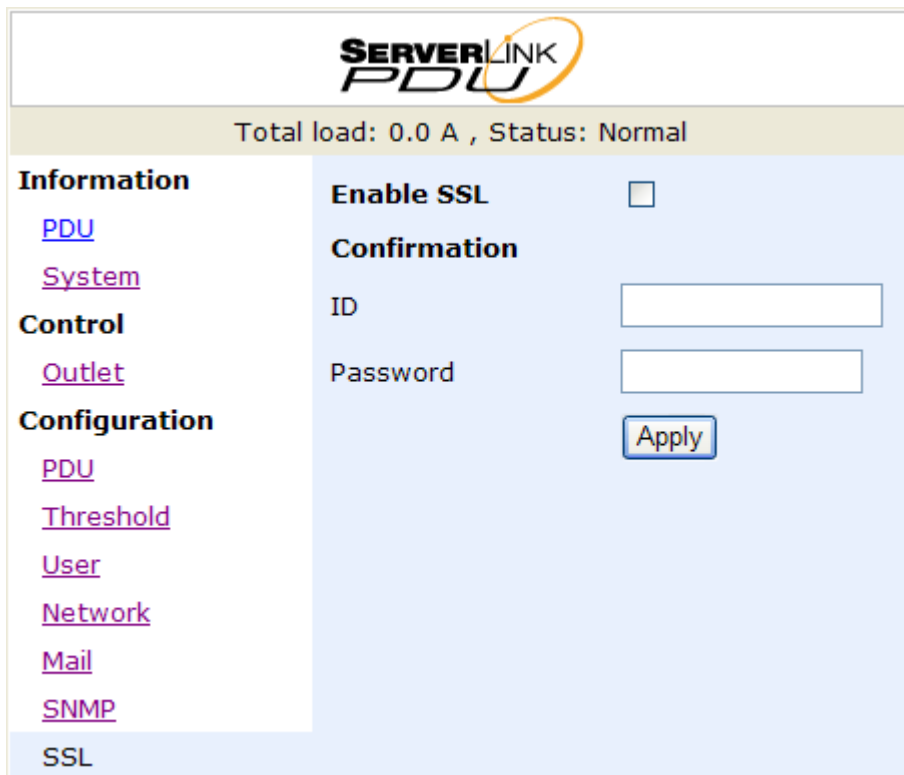
Configuration: SSL

Enable SSL for web communication

User must input the correct ID and password to enable SSL function

Default ID is **snmp**

Default password is **1234**



The screenshot displays the ServerLink PDU web interface. At the top, the logo "SERVERLINK PDU" is visible. Below it, a status bar shows "Total load: 0.0 A , Status: Normal". The left sidebar contains a menu with the following items: "Information" (with sub-links "PDU" and "System"), "Control" (with sub-link "Outlet"), "Configuration" (with sub-links "PDU", "Threshold", "User", "Network", "Mail", "SNMP", and "SSL"), and "SSL" (which is currently selected). The main content area is titled "Enable SSL" and features a checkbox that is currently unchecked. Below this, there is a "Confirmation" section with two input fields: "ID" and "Password". An "Apply" button is located at the bottom of the form.

SERVERLINK PDU	
Total load: 0.0 A , Status: Normal	
Information PDU System	Enable SSL <input type="checkbox"/>
Control Outlet	Confirmation
Configuration PDU Threshold User Network Mail SNMP SSL	ID <input type="text"/>
	Password <input type="text"/>
	<input type="button" value="Apply"/>